

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (currently amended): A method for producing in a plant resistance to a single stranded DNA (ssDNA) virus of the Geminivirus family comprising introducing a gene 5 ssDNA-binding protein of Coliphage M13 ~~the Inoviridae virus family~~ into said plant, thereby producing resistance to said ssDNA virus in said plant.

Claims 2 - 6 (canceled)

Claim 7 (withdrawn): The method of claim 1 ~~6~~ wherein said Coliphage M13 gene 5 protein has the amino acid residue sequence of SEQ ID NO 1.

Claim 8 (original): The method of claim 1 wherein said introducing comprises preparing a transgenic plant containing a gene which expresses said ssDNA-binding protein.

Claim 9 (original): The method of claim 8 wherein said gene comprises a nucleotide sequence shown in SEQ ID NOs 2 or 3.

Claim 10 (original): The method of claim 1 wherein said introducing comprises contacting said plant with a composition containing an expression vector capable of expressing said ssDNA-binding protein.

Claim 11 (original): The method of claim 10 wherein said expression vector comprises a nucleotide sequence shown in SEQ ID NOs 2 or 3.

Claim 12 (original): The method of claim 10 wherein said contacting comprises biolistic gene transfer or direct DNA uptake into protoplast.

Claim 13 (previously presented): The method of claim 10 wherein said contacting comprises infection of said plant with a carrier vector.

Claim 14 (original): The method of claim 13 wherein said carrier vector is an Agrobacterium vector.

Claim 15 (currently amended): The method of claim 10 wherein said expression vector is present in a virus particle ~~that capable of infecting~~ infects said plant and ~~expressing~~ expresses said ssDNA-binding coat protein.

Claim 16 (original): The method of claim 1 wherein said plant is selected from the group consisting of Abutilon, Acalypha, apple, Ageratum, Althea rosea, Asystasia, Bajra, banana, barley, beans, beet, Blackgram, Bromus, Cassava, chickpea, Chilllies, Chloris, clover, coconut, coffee, cotton, cowpea, Croton, cucumber, Digitaria, Dolichos, eggplant, Eupatorium, Euphorbia, fababean, honeysuckle, horsegram, Jatropha, Leonurus, limabean, Lupin, Macroptilium, Macrotyloma, maize, melon, millet, mungbean, oat, okra, Panicum, papaya, Paspalum, peanut, pea, pepper, pigeon pea, pineapple, Phaseolus, potato, Pseuderanthemum, pumpkin, Rhynchosia, rice, Serrano, Sida, sorghum, soybean, squash, sugarcane, sugarbeet, sunflower, sweet potato, tea, tomato, tobacco, watermelon, wheat and Wissadula.

Claim 17 (canceled)

Claim 18 (currently amended): The method of claim 17 wherein said Geminivirus is selected from the group consisting of Mastrevirus, Curtovirus and Begomovirus genera.

Claim 19 - 23 (canceled)

Claim 24 (currently amended): A method for producing geminivirus resistance in a plant comprising introducing into said plant a gene capable of expressing Coliphage M13 gene 5 protein in said plant, thereby producing resistance to said geminivirus in said plant.

Claim 25 (currently amended): A DNA expression vector comprising a nucleotide sequence that encodes a gene 5 ssDNA-binding protein of Coliphage M13~~the Inoviridae virus family~~, wherein said vector is capable of expressing said protein in plants.

Claim 26-30 (canceled)

Claim 31 (withdrawn): The DNA expression vector of claim 30 wherein said Coliphage M13 gene 5 protein has the amino acid residue sequence of SEQ ID NO 1.

Claim 32 (original): The DNA expression vector of claim 25 wherein said nucleotide sequence comprises a nucleotide sequence shown in SEQ ID NOs 2 or 3.

Claim 33 (currently amended): The DNA expression vector of claim 25 wherein said vector is a carrier vector.

Claim 34 (original): The DNA expression vector of claim 33 wherein said carrier vector is an Agrobacterium vector.

Claim 35 (original): The DNA expression vector of claim 25 wherein said plant is selected from the group consisting of Abutilon, Acalypha, apple, Ageratum, Althea rosea, Asystasia, Bajra, banana, barley, beans, beet, Blackgram, Bromus, Cassava, chickpea, Chilllies, Chloris, clover, coconut, coffee, cotton, cowpea, Croton, cucumber, Digitaria, Dolichos, eggplant, Eupatorium, Euphorbia, fababean, honeysuckle, horseggram, Jatropha, Leonurus, limabean, Lupin, Macroptilium, Macrotyloma, maize, melon, millet, mungbean, oat, okra, Panicum, papaya,

Paspalum, peanut, pea, pepper, pigeon pea, pineapple, Phaseolus, potato, Pseuderanthemum, pumpkin, Rhynchosia, rice, Serrano, Sida, sorghum, soybean, squash, sugarcane, sugarbeet, sunflower, sweet potato, tea, tomato, tobacco, watermelon, wheat and Wissadula.

Claims 36 - 38 (canceled)

Claim 39 (currently amended): A composition for producing resistance to a ssDNA virus of the Geminivirus family that infects plants comprising a DNA expression vector comprising a nucleotide sequence that encodes a gene 5 ssDNA-binding protein of Coliphage M13~~the Inoviridae virus family~~, wherein said vector ~~is capable of expressing~~ expresses said protein in said plant.

Claims 40-41 (canceled)

Claim 42 (withdrawn): The composition of claim 39 wherein said Coliphage M13 gene 5 protein has the amino acid residue sequence of SEQ ID NO 1.

Claim 43 (original): The composition of claim 39 wherein said nucleotide sequence comprises a nucleotide sequence shown in SEQ ID NOs 2 or 3.

Claim 44 (original): The composition of claim 39 wherein said DNA expression vector is a carrier vector.

Claim 45 (original): The composition of claim 44 wherein said carrier vector is an Agrobacterium vector.

Claim 46 (currently amended): A transgenic plant containing a DNA expression vector comprising a nucleotide sequence that encodes a gene 5 ssDNA-binding protein of Coliphage M13~~the Inoviridae virus family~~, wherein said vector ~~is capable of expressing~~ expresses said protein in said plant.

Claim 47 (original): The transgenic plant of claim 46 wherein said DNA expression vector is the vector of claim 25.

Claim 48 (canceled)

Claim 49 (withdrawn): The transgenic plant of claim 48 wherein said Coliphage M13 gene 5 protein has the amino acid residue sequence of SEQ ID NO 1.

Claim 50 (original): The transgenic plant of claim 46 wherein said nucleotide sequence comprises a nucleotide sequence shown in SEQ ID NOs 2 or 3.